



AFLOAT  
Weapons  
(3WS)  
Checklist

UPDATED November 2012

**SAFETY REVIEW ITEMS - Weapons**

**01. Administration and Training**

1. (A1A0) ARE MAGAZINES/LOCKERS WITH TEMPERATURES THAT CONSISTENTLY EXCEED 100 DEGREES F RECORDED AND REPORTED?

REF: NAVSEA OP 4 3-12.12.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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2. (A1B0) ARE PMS RECORDS FOR MAGAZINE SPRINKLER SYSTEM TESTS, AND MAGAZINE TEMPERATURE LOGS MAINTAINED AND UP-TO-DATE?

REF: NAVSEA OP-4 3.12.12.2

PMS MIP 5221/012 R-4Q

PMS MIP 5221/009 R-1Q

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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3. (A1C0) ARE ORDNANCE SAFETY PUBLICATIONS AND INSTRUCTIONS ON BOARD AND UP-TO-DATE?

REF: NAVSEA OP-4 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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4. (A1E0) ARE PERSONNEL THOROUGHLY TRAINED IN THE HAZARDS AND EMERGENCY PROCEDURES ASSOCIATED WITH OTTO FUEL II?

REF: NAVSEA S6340-AA-MMA-010 CH 3

NAVSEA S6340-AA-MMA-010 CH 5

NAVSEA S6340-AA-MMA-010 APPENDIX B-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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5. (A1F0) DOES THE SHIP HAVE AN ORDNANCE QUALIFICATION AND CERTIFICATION PROGRAM (PQS) IN EFFECT FOR PERSONNEL ACTIVELY ENGAGED IN ORDNANCE HANDLING?

REF: NAVSEA OP-4 2-4.4.1

OPNAVINST 8023.24 SERIES

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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6. (A1G0) DOES THE SHIP HAVE A CURRENT HERO BILL? DOES THE BILL ADDRESS THE APPROPRIATE HERO CONDITIONS FOR ALL AMMUNITION BEING HANDLED?

REF: NAVSEA OP-4 5-4.7.1

NAVSEA OP 3565 3-1

NAVSEA OP 3565 3-2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 02. Deck Covering

7. (A2A0) ARE NON-SKID TREADS OR DECK COVERING IN NEED OF REPLACEMENT IN WORKING AREAS OF MAGAZINES, HANDLING ROOMS, AND READY SERVICE AREAS?

REF: NAVSEA OP-4 5-5.1R

NSTM 634 2.1 TABLE 634-2.1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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8. (A2B0) IS THERE AN OUTLINE FOR PORTABLE RUBBER MATTING, AND IS MATTING AVAILABLE AT THE MOUNT.

REF: NAVSEA S9AA0-AB-GOS-010

GSO CH 634 (C) (2)

NSTM 634 -3.12.2.2

NSTM 634 TABLE 634-2.1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 03. General Checks

9. (A3A0) IS UNNECESSARY PIPING OR ELECTRICAL CABLING ROUTED THROUGH MAGAZINES?

REF: NAVSEA OP-4 5-4.1 K AND L

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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10. (A3B0) ARE DOORS AND HATCHES TO MAGAZINES PROVIDED WITH A MEANS FOR SECURING IN THE OPEN POSITION?

REF: NAVSEA OP-4 5-5.1 N  
NAVSEA OP-4 5-5.2.6b

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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11. (A3C0) ARE SAFETY NETS INSTALLED IN TRUNK LEADING TO MAGAZINES THAT EXTEND THROUGH THREE OR MORE DECKS?

REF: NAVSEA OP-4 3-6b  
NAVSEA DRAWING 804-5184163

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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12. (A3F0) - ARE APPROVED MARINE LOCATION (RACKS) INSTALLED ON BRIDGE WINGS AND AFTER-LOOKOUT STATIONS?  
- ARE THE MARKERS REMOVED AND PROPERLY STOWED WHILE INPORT?  
REF: NAVSEA OP-4 3-14.8.2 A THRU D

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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13. (A3G0) ARE SAFETY CHAINS OR LINES INSTALLED AROUND OPEN HATCHES LEADING TO AMMO TRUNKS?

REF: NAVSEA S9AA0-AB-GOS-010  
GSO 612 B  
GSO 612 C

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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14. (A3H0) ARE DANGER CIRCLES PROPERLY PAINTED AROUND POWER DRIVEN ARMAMENT INSTALLATIONS (MOUNTS/LAUNCHERS)?

REF: NAVSEA OP-4 APPENDIX D-4.1, D-4.2

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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15. (A3K0) IS SELF-CONTAINED OR SUPPLIED AIR BREATHING APPARATUS  
AVAILABLE IN THE VICINITY OF OTTO FUEL II OPERATIONS?

REF: NAVSEA S6340-AA-MMA-010 3-9.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 04. Signs/Instructions

16. (A4A0) ARE MAGAZINES/LOCKERS PROPERLY IDENTIFIED AS TO CONTENTS?

REF: NAVSEA OP-4 3-12.11

NAVSEA OP-4 3-14.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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17. (A4B0) - ARE PROPER SAFETY PRECAUTIONS POSTED AT REQUIRED LOCATIONS?  
- ARE THEY LEGIBLE?

REF: NAVSEA S6340-AA-MMA-010 B

NAVSEA OP-4 2-19 3-12.2, APPENDIX D, D1-D5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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18. (A4C0) ARE ELEVATORS NOT AUTHORIZED FOR PASSENGERS USE MARKED "KEEP  
OFF THIS ELEVATOR WHEN IN OPERATION"?

REF: NAVSEA OP-4 -3-8.1 C

NSTM 772 -4.6.8

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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19. (A4D0) ARE AMMUNITION HOISTS MARKED "KEEP OFF THIS HOIST" IN 2" HIGH  
LETTERS?

REF: NAVSEA OP-4 3-8.1 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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20. (A4E0) IS THE SAFE CARRYING CAPACITY IN POUNDS POSTED ON EACH ELEVATOR?

REF: NSTM 772 4.6.5, 4.6.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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21. (A4F0) ARE OPERATING INSTRUCTIONS FOR THE OPERATION OF AMMUNITION HOISTS/ELEVATORS POSTED?

REF: NAVSEA OP-4 3-8.1 B

NSTM 772 4.3.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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22. (A4G0) ARE "AMMUNITION FAR SIDE" SIGNS POSTED? ARE THEY PROPER?

REF: NAVSEA OP-4 2-19 APPENDIX D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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23. (A4H0) ARE HERO WARNING LABELS AFFIXED TO ALL PORTABLE RADIOS?

REF: OP 3565 Vol 2 1-8.2 FIGURES 1-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 05. Sprinkler Systems General

24. (B1A0) ARE PRIMARY AND MISSILE MAGAZINES, AMMUNITION HANDLING ROOMS, AND APPLICABLE READY SERVICE MAGAZINES COVERED BY A PROPERLY INSTALLED SPRINKLER SYSTEM? ARE ANY COMPONENTS DAMAGED OR MISSING?

REF: NAVSEA OP-4 5.4.4

PMS MIP 7000/X01 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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25. (B1C0) HAVE PERSONNEL RESPONSIBLE FOR MAGAZINE SPRINKLER SYSTEM  
MAINTENANCE RECEIVED FORMAL TRAINING AND COMPLETED APPLICABLE  
PQS?

REF: NAVSEA OP-4 2-4.4.1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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26. (B1D0) ARE NECESSARY TOOLS ABOARD TO PROPERLY TEST SPRINKLER SYSTEMS?

REF: PMS MIP 5221/012 R-4Q

PMS MIP 5221/012 M-1R

PMS MIP 5121/009 M-1R

PMS MIP 5121/009 R-1Q

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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27. (B1E0) DO PMS RECORDS INDICATE THAT REQUIRED TESTS ARE CONDUCTED?

REF: NAVSEA S9522-AA-HBK-010

PMS MIP 5221/012 R-4Q

PMS MIP 5221/012 M-1R

PMS MIP 5121/009 M-1R

PMS MIP 5121/0009 R-1Q

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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28. (B1G0) ARE INSTRUCTION PLATES DESCRIBING OPERATIONS OF  
LOCAL/REMOTEMANUAL CONTROLS FOR SPRINKLER SYSTEMS AND THE  
SPACE COVERED BY THE SYSTEM PRESENT?

REF: NAVSEA OP-4 5-5.4.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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29. (B1I0) IS A LEGIBLE LABEL PLATE ATTACHED TO THE ORIFICE DRAIN LINES  
STATING: "IF ANY DRAINS DRIP OR DISCHARGE WATER OTHER THAN  
DURING SYSTEM TEST THIS SHALL BE REPORTED TO THE ORDNANCE  
OFFICER FOR CORRECTIVE ACTION. DO NOT PLUG ENDS OF PIPING"?

REF: NAVSEA S9522-AA-HBK-010 3-5.3.3

PMS MIP 7000/X01 D-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 06. Sprinkler Systems Equipment

30. (B2A0) IS ANY LEAKAGE EVIDENT FROM SYSTEM COMPONENTS OR JOINTS?

REF: NAVSEA OP-4 3-12.12.2F

PMS 7000/X01 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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31. (B2B0) ARE AUTOMATIC SYSTEM COMPONENTS (E.G., HAD/FTU, HSD, PRP, ECT.) FREE OF PAINT, MASKING TAPE, ECT WHICH MIGHT COMPROMISE THE SYSTEM?

REF: NAVSEA S9522-AA-HBK-010 3-3.2

NAVSEA S9522-AA-HBK-010 3-4.2.2

NAVSEA S9522-AA-HBK-010 3-4.4.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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32. (B2C0) - ARE THE VARIOUS PRESSURE GAGES IN THE SPRINKLER SYSTEM PROPERLY MOUNTED AND CALIBRATED?  
- IS FIRE MAIN PRESSURE ADEQUATE FOR TYPE SYSTEM INSTALLED?

REF: NAVSEA S9522-AA-HBK-010 APPENDIX "C"-6 PARA 3-3.1, 3-5.4.1, 3-5.4.2,

NSTM 504

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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33. (B2H0) IS A 1/8 IN. CONDENSATE DRAIN HOLE INSTALLED IN THE UNDERSIDE OF THE SPRINKLER HORIZONTAL PIPING IMMEDIATELY DOWNSTREAM FROM THE FH ALARM? IS IT PLUGGED?

REF: NAVSEA S9522-AA-HBK-010 4-1, 4-2, PG 5-18(A,5)

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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34. (B2I0) IS THE SCHRADER VALVE DUST COVER INSTALLED?

REF: NAVSEA S9522-AA-HBK-010 5-3.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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35. (B2K0) ARE REMOTE AND LOCAL SPRINKLER THREE-WAY CONTROL VALVES PROPERLY SECURED WITH A WEDGE AND SINGLE ALUMINUM-WIRE SEAL?

REF: S9522-AA-HBK-010 PARA 3-1.7.1, 3-1.8.2, 3-1.8.3, FIG 3-9

REF: S9522-AA-HBK-010 3-1.8.2

S9522-AA-HBK-010 3-1.8.3, FIG 3-9

S9522-AA-HBK-010 3-1.7.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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36. (B2O0) DOES PMS INDICATE THAT REQUIRED FH CIRCUIT TESTS ARE BEING CONDUCTED?

REF: PMS MIP 5221/009, 012 S-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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37. (B2P0) ARE HIGH TEMPERATURE ALARMS ("F" CIRCUITS) IC/J105 PROPERLY INSTALLED WITH MINIMUM OF TWO SENSORS PER SPACE AND ARE SENSORS INSULATED FROM THE STEEL STRUCTURE IN SPACES EXPOSED TO RADIANT HEAT?

REF: S9522-AA-HBK-010 3-3.2

OP-4 5-4.3.1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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38. (B2Q0) DOES PMS INDICATE REQUIRED F CIRCUIT TESTS ARE CONDUCTED?

REF: PMS MIP 4361/001 A-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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39. (B2S0) ARE SPRINKLING SYSTEMS INSTALLED IN MAGAZINES THAT CONTAIN AMMUNITION LARGER THAN 40 MM? (INCLUDES DEMOLITION MATERIAL AND ALL MAGAZINES BELOW THE DAMAGE CONTROL DECK)

REF: NAVSEA S9522-AA-HBK-010 4-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 07. Seawater or Oil Operation

40. (B4A0) ARE LOCAL CONTROL STATIONS LOCATED IN, OR IN THE IMMEDIATE VICINITY OF, THE SPACE?

REF: NAVSEA S9522-AA-HBK-010 4-2.2

NAVSEA S9AA0-AB-GOS-010 521D

NAVSEA OP-4 5-5.4.3, 4.4, 4.5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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41. (B4B0) ARE REMOTE CONTROL STATIONS LOCATED ON THE DAMAGE CONTROL DECK (ONLY FOR MAGAZINES BELOW THE DAMAGE CONTROL DECK)?

REF: NAVSEA OP-4 5-5.4.5

NAVSEA S9522-AA-HBK-010 4-2.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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42. (B4D0) ARE LOCAL AND REMOTE STATION SUPPLIES PROTECTED BY A STRAINER?

REF: NAVSEA S9522-AA-HBK-010 3-2.3.2

NAVSEA S9522-AA-HBK-010 4-1, 4-2, 4-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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43. (B4G0) ARE THE REQUIRED ORIFICES INSTALLED (0.98 "HOLE") WITH GASKET MATERIAL (MIL-R-1149)?

REF: MILSPEC R-11497

S9522-AA-HBK-010 3-5.3 FIG 3-19

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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44. (B4H0) ARE ORIFICE PLATES INSTALLED SO THAT FLOW THROUGH THEM IS DOWN?

REF: NAVSEA S9522-AA-HBK-010 3-5.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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45. (B4I0) IS EACH DRAIN LINE PROPERLY NUMBERED AND DISCHARGES INTO A PORTABLE CONTAINER?

REF: NAVSEA S9522-AA-HBK-010 4-2.2 FIG 4-2, 4-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 08. Automatic Operation

46. (B5A0) ARE PRP VALVE SHOCK MOUNTS RESILIENT AND UNPAINTED? ARE PRP VALVES MODIFIED (FULCRUM LEVER DAMPER)? NOTE PRP VALVES, SERIAL NUMBERS #S-5123 AND BELOW, SHALL HAVE A "D" STAMPED WITHIN THE SERIAL NUMBER?

REF: NAVSEA S9522-AA-HBK-010 PARA 5-3.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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47. (B5B0) IS WIRE REINFORCED HOSE WITH MONEL OR NICKEL-ALUMINUM-BRONZE ENDFITTINGS USED IN PRPV INLET/OUTLET? IS A LABEL INSTALLED INDICATING HYDROSTATIC TEST DATA AND INSTALLATION DATE?

REF: NAVSEA S9522-AA-HBK 010 3-4.2.2, PG 3-60

S6430-AE-TED-010 VOL1 8.5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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48. (B5C0) ARE PROPER LOOPS INSTALLED IN SEA WATER LINES (10" MIN. DIA. LOOP) AND SENSING LINES (4" MIN. DIA. LOOP) TO THE PRPV?

REF: NAVSEA S9AA0-AB-GOS-010

GSO 521 D

NAVSEA S9522-AA-HBK-010 3-4.2.2, 3-4.3.2, 4-4.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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49. (B5D0) ARE MONEL END PLUGS INSTALLED IN PRPV?

REF: NAVSEA S9522-AA-HBK-010 5-3.3 (a,6)

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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50. (B5E0) IS PRPV WATER SUPPLY LINE PROTECTED BY A STRAINER?

REF: NAVSEA S9522-AA-HBK-010 3-2.3.2 FIG 4-2, 4-3, 4-6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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51. (B5F0) IS THERE A LOCK-SHIELD VALVE UPSTREAM OF A PROPERLY INSTALLED STRAINER?

REF: NAVSEA S9522-AA-HBK-010 3-2.3.2

NAVSEA S9522-AA-HBK-010 4-2, 4-3, 4-6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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52. (B5G0) ARE CIRCLE SEAL CHECK VALVES PROPERLY INSTALLED IN A HORIZONTAL BANK (LEAVING SPACE FOR 4 IN LOOP IN SENSING LINES THAT ARE LESS THAN 60 INS IN LENGTH) ABOVE THE PRP AND WITH THE ARROW POINTING DOWN ON THE VALVE BODY?

REF: NAVSEA S9522-AA-HBK-010 3-4.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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53. (B5H0) ARE AT LEAST TWO HEAT SENSING DEVICES (HSD OR COMBINATION OF HAD/FTU) INSTALLED IN EACH MAGAZINE OR CUT-OFF AREA WITHIN THE MAGAZINE?

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 FIG 3-14, 3-15

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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54. (B5I0) IS ANY HEAT SENSING DEVICE INSTALLED WITHIN 1 FOOT OF BEAM OR BULKHEAD? (BEAMS 6" OR GREATER IN DEPTH)

REF: NAVSEA S9522-AA-HBK-010 PARA 3-4.1.2 "C"

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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55. (B5J0) IS ANY HEAT SENSING DEVICE INSTALLED WITHIN 5 FEET OF ANY  
SUPPLY VENTILATION TERMINAL OR AIR CONDITIONING UNIT  
DISCHARGE? (SEE REFERENCE FOR CLARIFICATION)

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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56. (B5K0) IS A HEAT SENSING DEVICE INSTALLED WITHIN 8 FEET OF A BOUNDARY  
BULKHEAD?

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 A

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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57. (B5L0) ARE HSDS OR HAD/FTU DEVICES AND SENSING LINES PROPERLY  
INSTALLED?

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2

NAVSEA S9522-AA-HBK-010 FIGURES 3-14, 3-15 and Appendix I

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 09. Sprinkler Test Fittings

58. (B6I0) IS A LOCKED LOCKER PROVIDED FOR SPRINKLER SYSTEM TEST FITTINGS?

REF: NAVSEA OP-4 5-5.4.7

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 10. Alarms

59. (B7A0) ARE DRAIN PLUGS MISSING FROM "FH" (WATER FLOW) SWITCHES?

REF: NAVSEA S9522-AA-HBK-010 5-2.1.Q

PMS MIP 7000/XO1 A-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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60. (B7B0) ARE F, FD AND FH ALARM CIRCUITS CONNECTED TO REPEATER ALARM BELLS ON THE BRIDGE, DAMAGE CONTROL STATION AND QUARTERDECK? (NOT COMMON TERMINAL)

REF: NAVSEA OP-4 5-5.3

NAVSEA S9AA0-AB-GOS-010/GSO SEC 436D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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61. (B7C0) DOES PMS INDICATE REPEATER ALARM BELLS ON THE BRIDGE, DAMAGE CONTROL STATION, AND QUARTERDECK OPERATE PROPERLY?

REF: NAVSEA S9AA0-AB-GOS-010/GSO SEC 436 (B)

PMS MIP 4361/001 A-5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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62. (B7F0) IS A WARNING SIGN POSTED ADJACENT TO THE REMOTE AUDIBLE/VISUAL ALARMS FOR THE F, FD AND FH CIRCUITS LOCATED IN THE PILOT HOUSE, OOD STATIONS AND DC CENTRAL? (F AND FH ALARMS CAN BE ON A COMMON TERMINAL ON THE BRIDGE AND OOD STATIONS).

REF: NAVSEA OP-4 5-5.3

NAVSEA S9AA0-AB-GOS-010/GSO SEC 436 D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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## 11. Equipment and Maintenance

63. (C1A0) ARE READY SERVICE LOCKERS IN GOOD REPAIR?

REF: NAVSEA OP 4 3-12.12.2

NSTM 700 5.14.1

PMS MIP 7631/010 Q-1

PMS MIP 7631/010 A-2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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64. (C1B0) ARE AMMUNITION PASSING SCUTTLES IN GOOD CONDITION?

REF: NAVSEA OP 4 3-7

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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65. (C1C0) ARE ALL LIGHTS, INCLUDING BATTLE LANTERNS, OPERATIVE AND IN GOOD CONDITION?

REF: NAVSEA OP-4 3-12.12.2h

NAVSEA S9AA0-AB-GOS-010/GSO SEC 332

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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66. (C1D0) ARE WIRE MESH SCREENS PROVIDED FOR VENTILATION EXHAUST DUCT TERMINALS? ARE THEY CLEAN?

REF: NSTM 510 7.1.9

NAVSEA OP-4 5-5.1 F

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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67. (C1E0) ARE HOOKS USED TO LIFT AMMUNITION OR WEAPONS PROVIDED WITH SAFETY LATCHES OR MOUSED?

REF: NSTM 700 4.3.15

NAVSEA OP-4 3-9.2.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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68. (C1F0) ARE HOIST HOOKS UNPAINTED TO FACILITATE VISUAL INSPECTION FOR CRACKS AND OTHER DEFECTS?

REF: NSTM 700 3.4.6

NSTM 700 4.3.15

NAVSEA OP-4 3-9.2.3a

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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69. (C1G0) HAS AMMUNITION HANDLING EQUIPMENT BEEN WEIGHT TESTED IN ACCORDANCE WITH CURRENT DIRECTIVES, EQUIPMENT DATE-STAMPED OR TAGGED AS TO TESTS MADE? IS A PERMANENT LOG MAINTAINED?

REF: NAVSEA OP-4 3-9.2.3c

NSTM 700 -4.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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70. (C1H0) DOES ANY AMMUNITION HANDLING EQUIPMENT APPEAR TO BE DEFECTIVE?  
REF: NAVSEA OP-4 3-9.2.3a  
NSTM 700 2.1

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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71. (C1J0) ARE READY SERVICE LOCKERS WHICH ARE EXPOSED TO THE SUN  
PROVIDED WITH SUNSHIELDS?  
REF: NAVSEA OP-4 5-5.2.6 B  
NSTM 700 5-14.1  
NSTM 700 5-14.2

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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72. (C1J6) - ARE OTTO FUEL SPILL KITS LOCATED IN THE VICINITY OF (NOT IN)  
THE STOWAGE SPACE?  
- IS IT COSAL SUPPORTED (AELO-006300369)?  
REF: SPDLT 63Z232  
RP5810/MK46 SER1309/5  
S6340-AA-MMA-010 APPEND H-1, CH 5-12, PG 3-8  
OP 4 3-14.1.1C

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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73. (C1K0) ARE RUBBER GASKETS BROKEN OR MISSING FROM MAGAZINE, HANDLING  
ROOM OR LOCKER ACCESS DOORS?  
REF: NSTM 700 5-13.4  
NAVSEA S9AA0-AB-GOS-010/GSO SEC 624B  
PMS MIP 7631/010 A-2

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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74. (C1K4) ARE DAILY AMMUNITION INSPECTIONS CONDUCTED AND A LOG  
MAINTAINED?  
REF: NAVSEA OP-4 3-12.12.2  
PMS PMS 7000/XO1 R-1D

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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75. (C1K8) HAS THE CO/OIC AUTHORIZED, IN WRITING INDIVIDUALS AS QUALIFIED INSTRUCTORS TO PROVIDE MHE OPERATOR TRAINING?

REF: NAVSEA SW023-AH-WHM-010 3-4.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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76. (C1L2) HAS THE MHE INSTRUCTOR COMPLETED AN APPROVED INSTRUCTOR COURSE?

REF: NAVSEA SW023-AH-WHM-010 3-5A

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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77. (C1L4) DOES THE MHE INSTRUCTOR POSSESS AN MHE OPERATOR'S LICENSE?

REF: NAVSEA SW023-AH-WHM-010 3-5 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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78. (C1L6) ARE THE ADMINISTRATIVE CONTROLS IN PLACE TO ENSURE THAT MHE OPERATORS ARE INFORMED OF CHANGES TO REFERENCE MANUALS THAT AFFECT THE SAFETY OF MHE OPERATIONS?

REF: NAVSEA SW023-AH-WHM-010 3-3.3B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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79. (C1L8) HAVE MHE OPERATORS ATTENDED REFRESHER TRAINING AS NECESSARY?

REF: NAVSEA SW023-AH-WHM-010 3-3.4 A THRU F

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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80. (C1M2) DOES THE MHE OPERATOR'S LICENSE CONTAIN ALL PERTINENT INFORMATION (I.E.; EXPLOSIVE OPERATOR, MEDICAL EXAM)?

REF: NAVSEA SW023-AH-WHM-010 PARA 3-4.1 A, B, C, D, E

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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81. (C1M4) IS THERE, A DOCUMENTED PROCESS TO RENEW A REVOKED/EXPIRED OPERATOR'S LICENSE?

REF: NAVSEA SW023-AH-WHM-010 3-4.4

NAVSEA SW023-AH-WHM-010 3-4.5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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82. (C1M6) IS A MAINTENANCE HISTORY FILE FOR EACH PIECE OF MHE MAINTAINED?

REF: NAVSEA OP 4 3-9.4

NAVSEA SW023-AH-WHM-010 6-2

NAVSUP PUBLICATION 538 8-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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83. (C1M8) ARE PRE/POST OPERATIONAL INSPECTIONS CONDUCTED AND RECORDED?

REF: NAVSEA SW023-AH-WHM-010 4-2

NAVSEA SW023-AH-WHM-010 6-3

NAVSUP PUBLICATION 538 8-2.1 FIGURE 8-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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84. (C1N0) IS MATERIAL HANDLING EQUIPMENT (INDUSTRIAL TRUCKS) HANDLING EXPLOSIVE ORDNANCE PROPERLY MARKED?

REF: NAVSUP PUBLICATION 538

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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85. (C1O0) ARE OPERATORS OF EQUIPMENT HANDLING AMMUNITION QUALIFIED AND LICENSED?

REF: NAVSEA OP 4 3-9.1.4.C

NAVSEA SW023-AH-WHM-010 3-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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86. (C1Q0) DOES CHAIN HOIST HAVE A LOAD CHAIN CONTAINER?  
REF: NAVSEA S9AA0-AB-GOS-010/GSO SEC 703C

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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87. (C1R0) HAS THE LABEL FOR THE ATFP 1620G TACTICAL VESTS BEEN ANNOTATED WITH AN "R" TO INDICATE MODIFICATIONS COMPLETE?  
REF: NAVSEA 04L MSG 180432Z JAN 02  
COMNAVSURFOR MSG R 041506Z DEC 03  
AEL 2-32002450 1/2/3

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

88. (C1S0) HAVE TWO ADDITIONAL BOUYANCY PADS BEEN INSTALLED IN THE ATFP 1620G TACTICAL VESTS? (FOR A TOTAL OF EIGHT PADS)  
REF: NAVSEA 04L MSG 180432Z JAN 02  
COMNAVSURFOR MSG R 041506Z DEC 03  
AEL 2-32002450 1/2/3

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

89. (C1T0) HAS THE HOLSTER FOR THE ATFP 1620G TACTICAL VESTS BEEN MODIFIED, REPOSITIONING THE RIVETS?  
REF: NAVSEA 04L MSG 180432Z JAN 02  
COMNAVSURFOR MSG R 041506Z DEC 03  
AEL 2-32002450 1/2/3

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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90. (C1U0) HAVE ALL OF THE ATFP 1620G TACTICAL VESTS BEEN SERIALIZED AND DOCUMENTATION ON HAND, FOR THE ANNUAL FLOAT TEST?  
REF: NAVSEA 04L MSG 180432Z JAN 02  
COMNAVSURFOR MSG R 041506Z DEC 03  
AEL 2-32002450 1/2/3

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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## 12. Stowage Safety General

91. (D1A0) ARE BIMETALLIC THERMOMETERS AND TEMPERATURE CARDS PRESENT IN EACH MAGAZINE AND AMMUNITION LOCKER AND ARE THEY PROPERLY MOUNTED WITH CURRENT CALIBRATION?

REF: 9802/003 U-10, U-30  
NAVSEA OP-4 3-12.12.2g  
NSTM 504 10.7.3  
NAVSEA OP-4 5.5.1E  
PMS MIP 7000/XO1 R-1D

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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92. (D1B0) ARE MAGAZINE TEMPERATURES RECORDED DAILY ON TEMP CARD AND DATA TRANSFERRED TO SHIP'S SMOOTH DECK LOG FOR A PERMANENT RECORD? ARE ANY TEMPERATURES EXCESSIVE?

REF: NAVSEA OP-4 3-12.12.2g

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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93. (D1D0) ARE ITEMS STOWED TOGETHER COMPATIBLE ACCORDING TO APPLICABLE DIRECTIVES?

REF: NAVSEA OP-4 3-13.2.1,/2.2/ 2.3  
NAVSEA OP-4 TABLES 3-2, 3-3, 3-4

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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94. (D1E0) IS ANY UNAUTHORIZED MATERIAL STOWED IN MAGAZINE OR LOCKER?

REF: NAVSEA OP-4 3-12.7

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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95. (D1F0) IS PROPER DUNNAGE PROVIDED TO ALLOW AIR SPACE BELOW BOTTOM TIER?

REF: NAVSEA OP-4 3-12.11

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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96. (D1G0) ARE OPEN CONTAINERS OF AMMUNITION OR LOOSE ROUNDS IN ANY MAGAZINE?

REF: NAVSEA OP-4 3-14 THRU 3-14.12

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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97. (D1H0) IS ANY AMMUNITION STORED IN IMPROPER LOCATION/FASHION?

REF: NAVSEA OP 4 2-10

NAVSEA OP 4 3-13

NAVSEA OP 4 5-5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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98. (D1I0) HAVE SAFETY PRECAUTIONS FOR HANDLING WHITE PHOSPHORUS ITEMS BEEN POSTED IN THE IMMEDIATE AREA OF THE STOWAGE SPACE?

REF: NAVSEA OP-4 2-19.2 APPENDIX D-3.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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99. (D1J0) IS PERSONAL PROTECTIVE EQUIPMENT AVAILABLE IN THE IMMEDIATE VICINITY OF THE WP STOWAGE TO HANDLE A "LEAKER"?

REF: NAVSEA OP-4 3-14-10.1 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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100. (D1K0) ARE WHITE PHOSPHOROUS ITEMS IN CARGO STOWAGE PLACED IN PROPER "NOSE UP" POSITIONS AS REQUIRED BY CURRENT DIRECTIVES?

REF: NAVSEA OP-4 3-14.3.2

NAVSEA OP-4 3-14.10.2b

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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101. (D1L0) IS A WATER TANK FOR IMMERSION OF WP "LEAKERS" PROVIDED? (EXCLUDING "L" FORM)

REF: NAVSEA OP-4 3-14.10.1b

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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102. (D1O2) ARE PYRO PISTOLS RETURNED TO THE ARMORY (OR SECURE STOWAGE) DURING IN PORT PERIODS AND IS AMMUNITION PROPERLY STOWED?

REF: NAVSEA OP-4 3-14.8.2d

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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103. (D1P0) IS DUMMY/DRILL AMMUNITION THAT IS STOWED WITH SERVICE TYPE PROPERLY COLOR CODED AND TAGGED FOR PRACTICE ONLY?

REF: NAVSEA OP-4 3-14.11

NAVSEA OP-4 3-14.11.1

NAVSEA OP-4 3-14.11.2

NAVSEA SWO10-AF-ORD-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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104. (D1Q0) IS STOWAGE CHART FOR AMMUNITION POSTED IN MAGAZINE?

REF: NAVSEA OP-4 3-12.11

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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105. (D1S0) ARE AMMUNITION CONTAINERS IN MAGAZINES/LOCKERS MARKED AS TO THEY'RE TRUE CONTENTS?

REF: NAVSEA OP-4 3-12.11

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

106. (D1V0) ARE THERMITE INCENDIARY MUNITIONS STOWED ALONE IN A SPECIALLY BUILT LOCKER OR JETTISONABLE LOCKER?

REF: NAVSEA OP4 3-14.10.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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107. (D1Y0) HAVE SAFETY PRECAUTIONS FOR OTTO FUEL II BEEN POSTED IN THE IMMEDIATE AREA OF THE STORAGE SPACE?

REF: NAVSEA S6340-AA-MMA-O1O CHAP 3 APPEND B-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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### 13. Magazines

108. (D2A0) DO MAGAZINES HAVE VENTILATION/MECHANICAL COOLING?

REF: NAVSEA OP-4 5-5.1 PARA F

NSTM 700 5.6.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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109. (D2C0) ARE AMMUNITION LOCKERS LOCATED PROPERLY FOR SAFE HANDLING OR STORAGE OF CONTENTS?

REF: NAVSEA OP-4 5-5.1b

NAVSEA OP-4 5-5.2.6b

NSTM 700 5.13

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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110. (D2D0) ARE MAGAZINES PROPERLY EQUIPPED WITH BINS, BATTENS, AND/OR STANCHIONS AND/OR HOLD/DOWN HARDWARE?

REF: NAVSEA OP-4 5-5.1j

NSTM 700 5.10

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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111. (D2E0) ARE MAGAZINES SEPARATED FROM FLAMMABLE LIQUIDS STOREROOMS BY AT LEAST ONE COMPARTMENT?

REF: NAVSEA OP-4 5-5.1 B

NAVSEA S9AA0-AB-GOS-010/GSO 671C

NSTM 700 5.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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112. (D2F0) IS THERE AN EMERGENCY ESCAPE SCUTTLE FOR EXITING A MAGAZINE WHEN OCCUPIED BY TEN OR MORE PEOPLE? (CONDITION: SPACES BELOW THE WATER LINE)

REF: NAVSEA OP-4 5-5.1 N

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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113. (D2H0) IS A SUFFICIENT QUANTITY OF PORTABLE BATTERY OPERATED BATTLE LANTERNS PROPERLY MOUNTED IN THE MAGAZINE?

REF: NSTM 330 1.9.3

NAVSEA OP 4 5.5.1 PARA I

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 14. Securing for Sea

114. (D3A0) IS AMMUNITION PROPERLY SHORED, TIED DOWN, AND OTHERWISE SECURED FOR SEA?

REF: NAVSEA OP-4 3-12.10

NAVSEA OP-4 3-12.12.2q

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 15. Housekeeping

115. (D5A0) IS HOUSEKEEPING AND ORDER IN MAGAZINES SATISFACTORY?

REF: NAVSEA OP-4 3-12.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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116. (D5C0) IS THERE EXCESSIVE CONDENSATION FROM COOLING/HEATING SYSTEMS ABOVE OR BELOW CAUSING RUST IN OVERHEAD OR DECKS IN MAGAZINES?

REF: NAVSEA OP-4 5-5.1 F

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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#### 16. Small Arms Safety

117. (E1A0) ARE CLEARING BARREL PROCEDURES AVAILABLE IN THE VICINITY OF THE CLEARING BARREL?

REF: NTRP 3 07.2.2. CH 1-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

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118. (E1B0) ARE PROPER PROCEDURES BEING UTILIZED WITH THE CLEARING BARREL  
IAW FORCE PROTECTION WEAPONS HANDLING STANDARD PROCEDURES AND  
GUIDELINES.

REF: NTRP 3-07.2.2 2-3  
NTRP 3-07.2.2 3-3  
NTRP 3-07.2.2 4-3  
NTRP 3-07.2.2 5-3  
NTRP 3-07.2.2 6-3

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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119. (E1B1) ARE THE CREW SERVED WEAPON MOUNTS FIRING CUT-OUTS INSTALLED TO  
PREVENT FIRING AT OWN SHIP AND ARE THE CUT-OUTS LOCK WIRED IN  
PLACE?

REF: MESSAGE DTG: 221333Z Nov 08

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

120. (E1B2) WERE ALL THE ATFP WATCHSTANDERS ON WATCH QUALIFIED FOR THE  
STATION THEY CURRENTLY ASSUMED?

REF: OPNAVINST 3591.1F 2-4  
OPNAVINST 3591.1F 4-6  
OPNAVINST 3591.1F 5-C

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

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# Weapons

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result				Sig	Rep	PMS
1	3WSA1A0	C	R	N	U			
2	3WSA1B0	C	R	N	U			
3	3WSA1C0	C	R	N	U			
4	3WSA1E0	C	R	N	U			
5	3WSA1F0	C	R	N	U			
6	3WSA1G0	C	R	N	U			
7	3WSA2A0	C	R	N	U			
8	3WSA2B0	C	R	N	U			
9	3WSA3A0	C	R	N	U			
10	3WSA3B0	C	R	N	U			
11	3WSA3C0	C	R	N	U			
12	3WSA3F0	C	R	N	U			
13	3WSA3G0	C	R	N	U			
14	3WSA3H0	C	R	N	U			
15	3WSA3K0	C	R	N	U			
16	3WSA4A0	C	R	N	U			
17	3WSA4B0	C	R	N	U			
18	3WSA4C0	C	R	N	U			
19	3WSA4D0	C	R	N	U			
20	3WSA4E0	C	R	N	U			
21	3WSA4F0	C	R	N	U			
22	3WSA4G0	C	R	N	U			
23	3WSA4H0	C	R	N	U			
24	3WSB1A0	C	R	N	U			
25	3WSB1C0	C	R	N	U			
26	3WSB1D0	C	R	N	U			
27	3WSB1E0	C	R	N	U			
28	3WSB1G0	C	R	N	U			
29	3WSB1I0	C	R	N	U			
30	3WSB2A0	C	R	N	U			
31	3WSB2B0	C	R	N	U			
32	3WSB2C0	C	R	N	U			
33	3WSB2H0	C	R	N	U			

Q #	Question	Result				Sig	Rep	PMS
34	3WSB2I0	C	R	N	U			
35	3WSB2K0	C	R	N	U			
36	3WSB2O0	C	R	N	U			
37	3WSB2P0	C	R	N	U			
38	3WSB2Q0	C	R	N	U			
39	3WSB2S0	C	R	N	U			
40	3WSB4A0	C	R	N	U			
41	3WSB4B0	C	R	N	U			
42	3WSB4D0	C	R	N	U			
43	3WSB4G0	C	R	N	U			
44	3WSB4H0	C	R	N	U			
45	3WSB4I0	C	R	N	U			
46	3WSB5A0	C	R	N	U			
47	3WSB5B0	C	R	N	U			
48	3WSB5C0	C	R	N	U			
49	3WSB5D0	C	R	N	U			
50	3WSB5E0	C	R	N	U			
51	3WSB5F0	C	R	N	U			
52	3WSB5G0	C	R	N	U			
53	3WSB5H0	C	R	N	U			
54	3WSB5I0	C	R	N	U			
55	3WSB5J0	C	R	N	U			
56	3WSB5K0	C	R	N	U			
57	3WSB5L0	C	R	N	U			
58	3WSB6I0	C	R	N	U			
59	3WSB7A0	C	R	N	U			
60	3WSB7B0	C	R	N	U			
61	3WSB7C0	C	R	N	U			
62	3WSB7F0	C	R	N	U			
63	3WSC1A0	C	R	N	U			
64	3WSC1B0	C	R	N	U			
65	3WSC1C0	C	R	N	U			
66	3WSC1D0	C	R	N	U			
67	3WSC1E0	C	R	N	U			
68	3WSC1F0	C	R	N	U			
69	3WSC1G0	C	R	N	U			
70	3WSC1H0	C	R	N	U			
71	3WSC1J0	C	R	N	U			
72	3WSC1J6	C	R	N	U			
73	3WSC1K0	C	R	N	U			
74	3WSC1K4	C	R	N	U			
75	3WSC1K8	C	R	N	U			
76	3WSC1L2	C	R	N	U			
77	3WSC1L4	C	R	N	U			

Q #	Question	Result				Sig	Rep	PMS
78	3WSC1L6	C	R	N	U			
79	3WSC1L8	C	R	N	U			
80	3WSC1M2	C	R	N	U			
81	3WSC1M4	C	R	N	U			
82	3WSC1M6	C	R	N	U			
83	3WSC1M8	C	R	N	U			
84	3WSC1N0	C	R	N	U			
85	3WSC1O0	C	R	N	U			
86	3WSC1Q0	C	R	N	U			
87	3WSC1R0	C	R	N	U			
88	3WSC1S0	C	R	N	U			
89	3WSC1T0	C	R	N	U			
90	3WSC1U0	C	R	N	U			
91	3WSD1A0	C	R	N	U			
92	3WSD1B0	C	R	N	U			
93	3WSD1D0	C	R	N	U			
94	3WSD1E0	C	R	N	U			
95	3WSD1F0	C	R	N	U			
96	3WSD1G0	C	R	N	U			
97	3WSD1H0	C	R	N	U			
98	3WSD1I0	C	R	N	U			
99	3WSD1J0	C	R	N	U			
100	3WSD1K0	C	R	N	U			
101	3WSD1L0	C	R	N	U			
102	3WSD1O2	C	R	N	U			
103	3WSD1P0	C	R	N	U			
104	3WSD1Q0	C	R	N	U			
105	3WSD1S0	C	R	N	U			
106	3WSD1V0	C	R	N	U			
107	3WSD1Y0	C	R	N	U			
108	3WSD2A0	C	R	N	U			
109	3WSD2C0	C	R	N	U			
110	3WSD2D0	C	R	N	U			
111	3WSD2E0	C	R	N	U			
112	3WSD2F0	C	R	N	U			
113	3WSD2H0	C	R	N	U			
114	3WSD3A0	C	R	N	U			
115	3WSD5A0	C	R	N	U			
116	3WSD5C0	C	R	N	U			
117	3WSE1A0	C	R	N	U			
118	3WSE1B0	C	R	N	U			
119	3WSE1B1	C	R	N	U			
120	3WSE1B2	C	R	N	U			

